



# PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE  
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21186 7590 09/20/2006

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. BOX 2938  
MINNEAPOLIS, MN 55402

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

12/27/2006 FMETEKI2 00000036 190743 10643580

01 FC:1501 1400.00 DA  
02 FC:8001 30.00 DA

CHRISTOPHER BARTL (Depositor's name)  
*[Signature]* (Signature)  
DECEMBER 20, 2006 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/643,580	08/18/2003	Andrew B. Hastings	1376.721US1	3953

TITLE OF INVENTION: MAPPING AN ARBITRARY NUMBER OF CONTIGUOUS MEMORY PAGES AT AN ARBITRARY ALIGNMENT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$0	\$1400	12/20/2006
EXAMINER		ART UNIT	CLASS-SUBCLASS			
THOMAS, SHANE M		2186	711-171000			

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list  
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.  
1 Schwegman, Lundberg,  
2 Woessner & Kluth, P.A.  
3 \_\_\_\_\_

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

CRAY INC.

SEATTLE, WASHINGTON

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

## 4a. The following fee(s) are submitted:

- ☒ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☒ Advance Order - # of Copies 10

## 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 14-0145 (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Thomas F. Brennan

Date 12/20/06

Typed or printed name THOMAS F. BRENNAN

Registration No. 35,075

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Andrew B. Hastings

Title: MAPPING AN ARBITRARY NUMBER OF CONTIGUOUS MEMORY PAGES AT AN  
ARBITRARY ALIGNMENT

Docket No.: 1376.721US1

Filed: August 18, 2003

Examiner: Shane M. Thomas

Customer No.: 21186

Serial No.: 10/643,580

Due Date: December 20, 2006

Group Art Unit: 2186

Confirmation No.: 3953

Commissioner for Patents

Attn: MAIL STOP ISSUE FEE

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Alexandria, VA 22313-1450

**Notice of Allowance Date:**

September 20, 2006

We are transmitting herewith the attached:

- ☒ Authorization to charge deposit account 19-0743 in the amount of \$1400.00 to cover the Large Entity Issue Fee Payment.
- ☒ Authorization to charge deposit account 19-0743 in the amount of \$30.00 to cover the Extra Patent Copies Fee (10 copies).
- ☒ Issue Fee Transmittal (Form PTOL-85).
- ☒ A return postcard.

**Please charge any additional required fees for the Issue Fee Payment or credit overpayment to Deposit Account No. 19-0743.**

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number: 21186

By

Thomas F. Brennan

Reg. No. 35,075

TFB/cmb

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Attn – MAIL STOP ISSUE FEE, P.O. Box 1450, Alexandria, VA 22313-1450, on this 20 day of December, 2006.

CHRISTOPHER BARN  
Name

Signature